

FIG. 1A

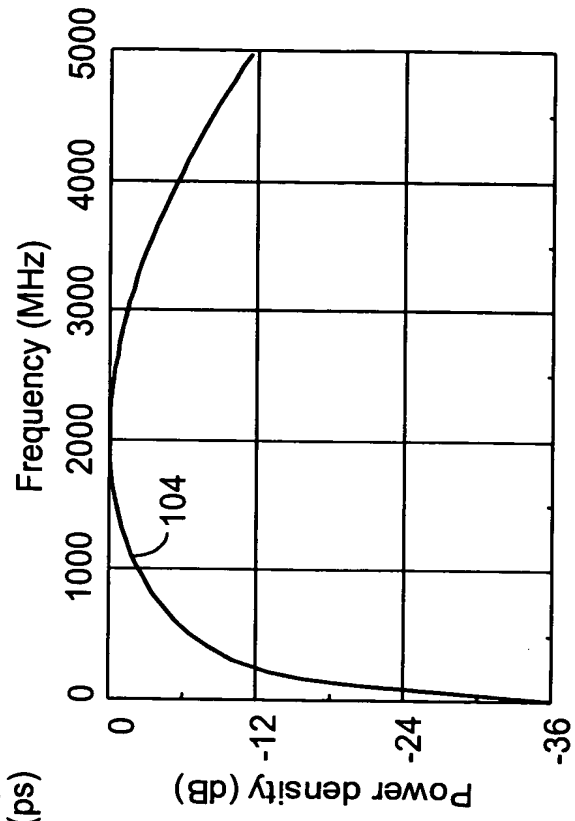


FIG. 1B

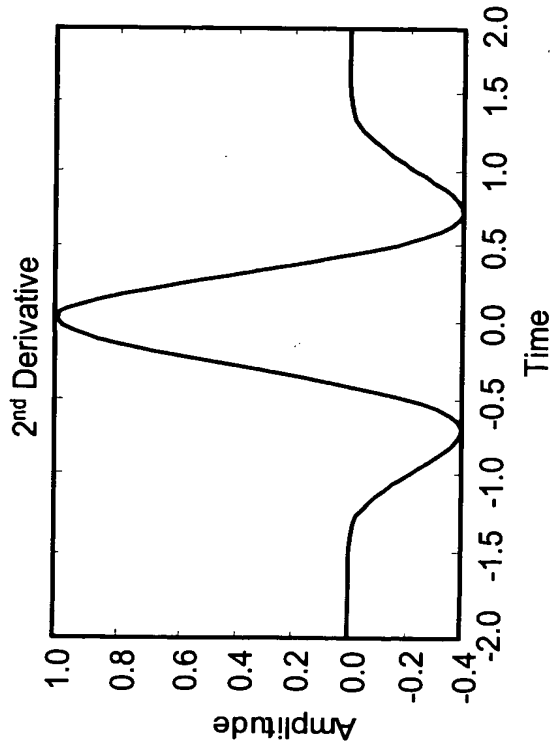


FIG. 1C

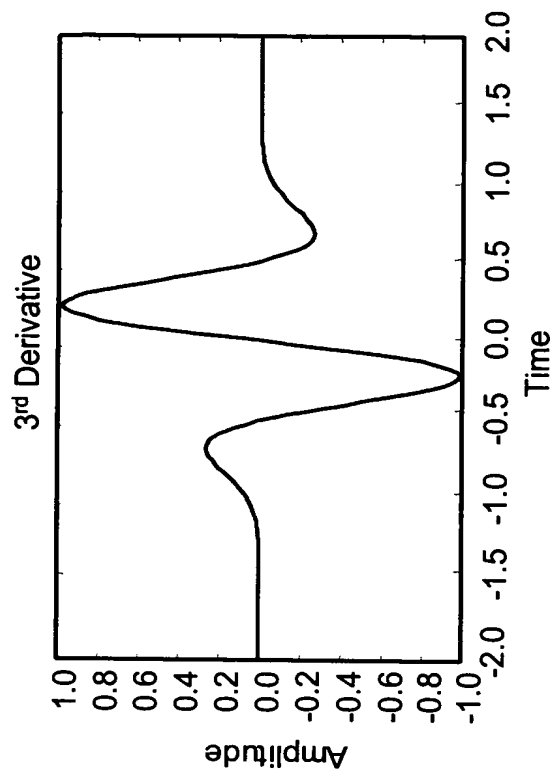


FIG. 1D

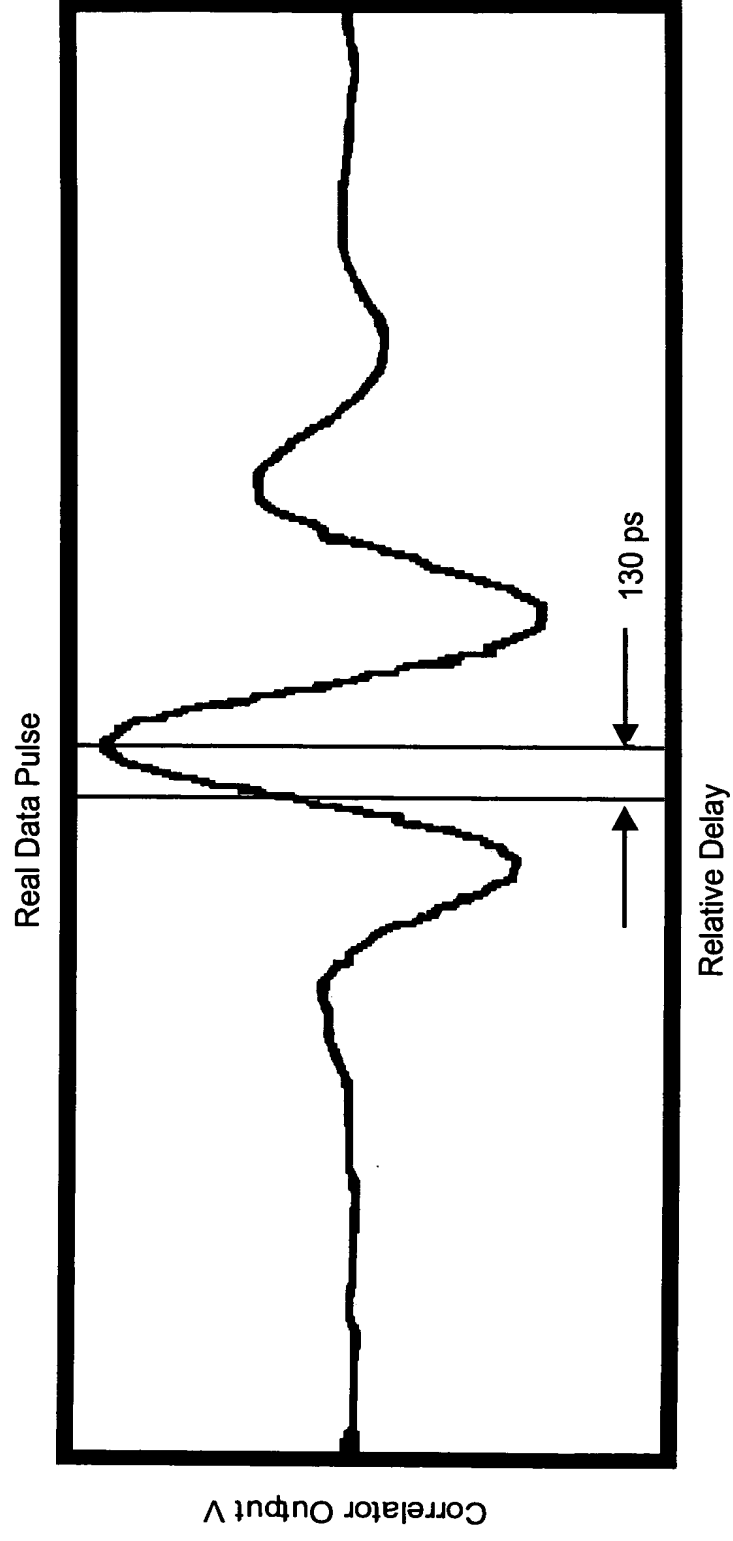


FIG. 1E

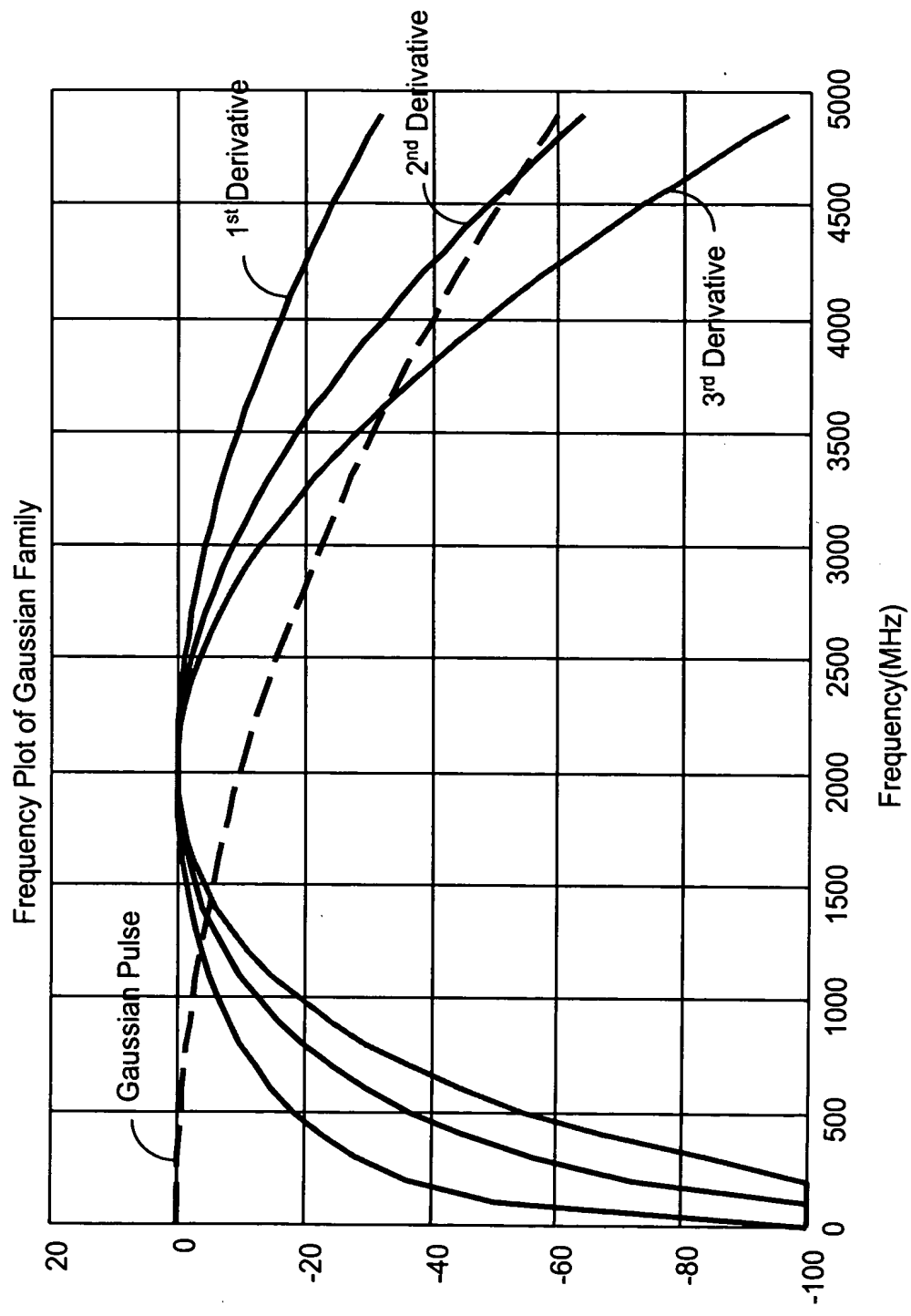


FIG. 1F

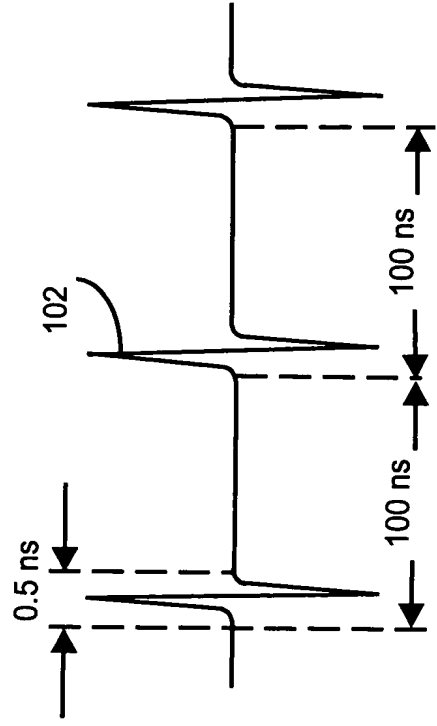


FIG. 2A

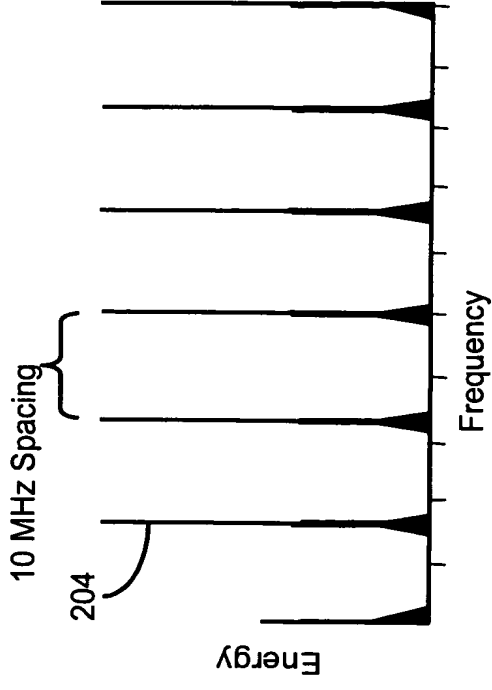


FIG. 2B

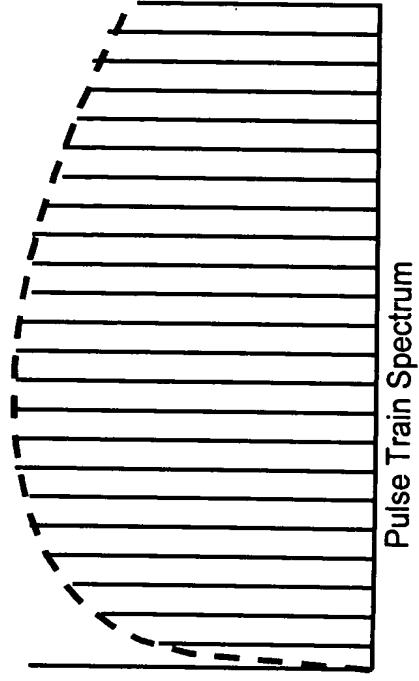


FIG. 2C

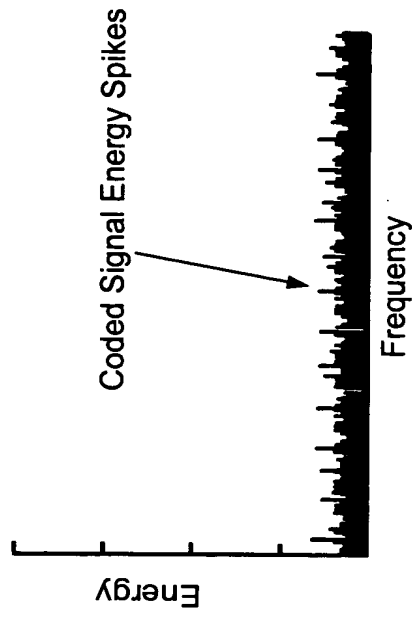


FIG. 2D

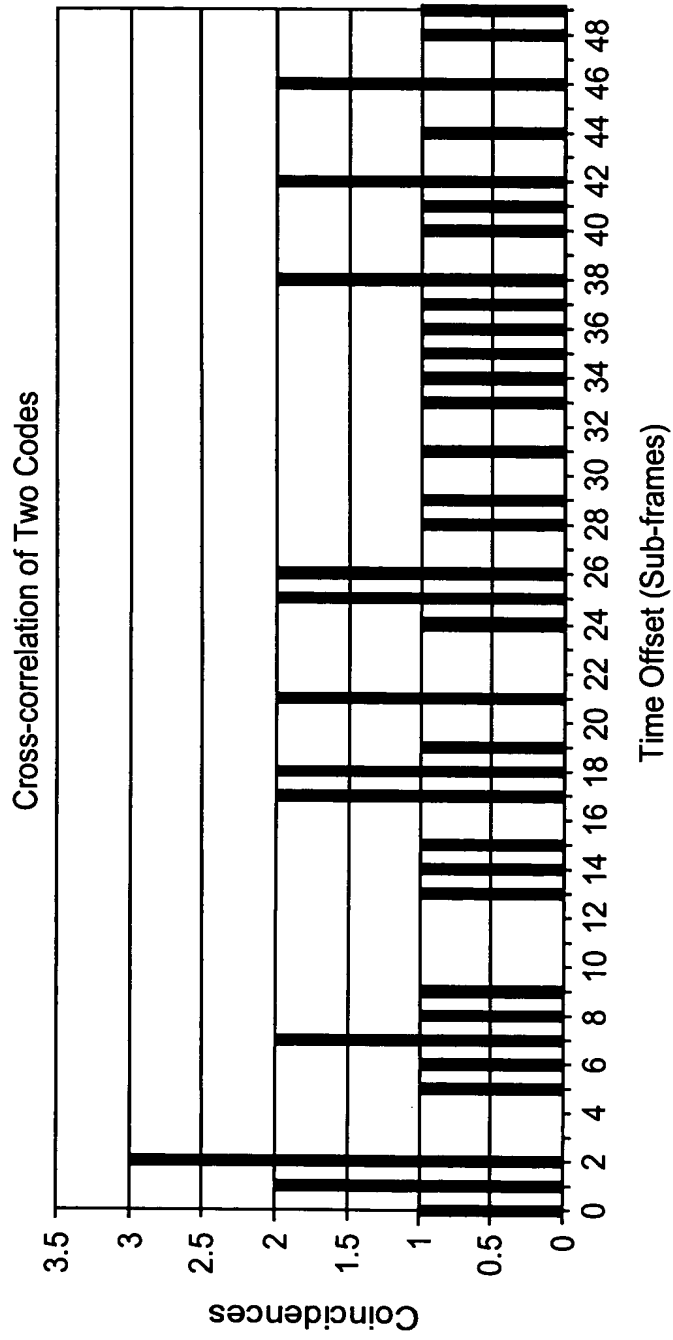
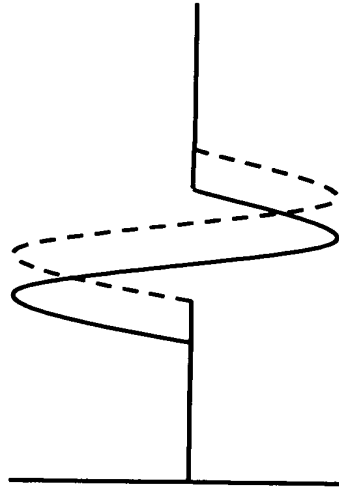
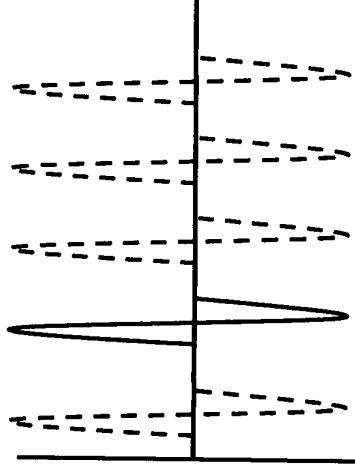


FIG. 3



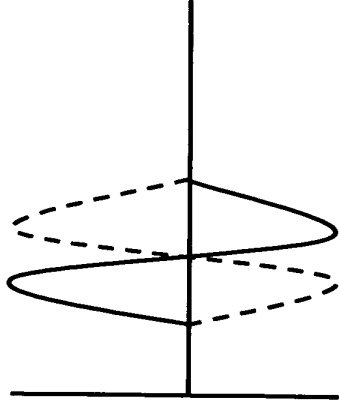
Early - Late Modulation

**FIG. 4A**



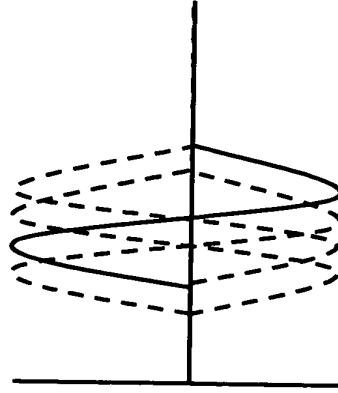
One of Many Modulation

**FIG. 4B**



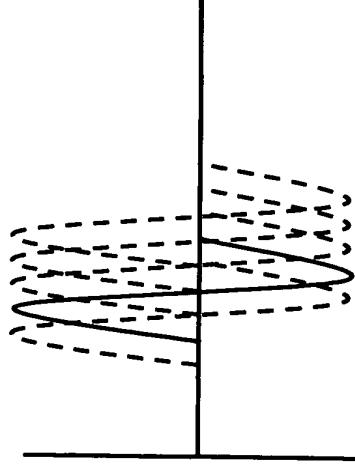
Flip Modulation

**FIG. 4C**



Quad Flip Modulation

**FIG. 4D**



Vector Modulation

**FIG. 4E**

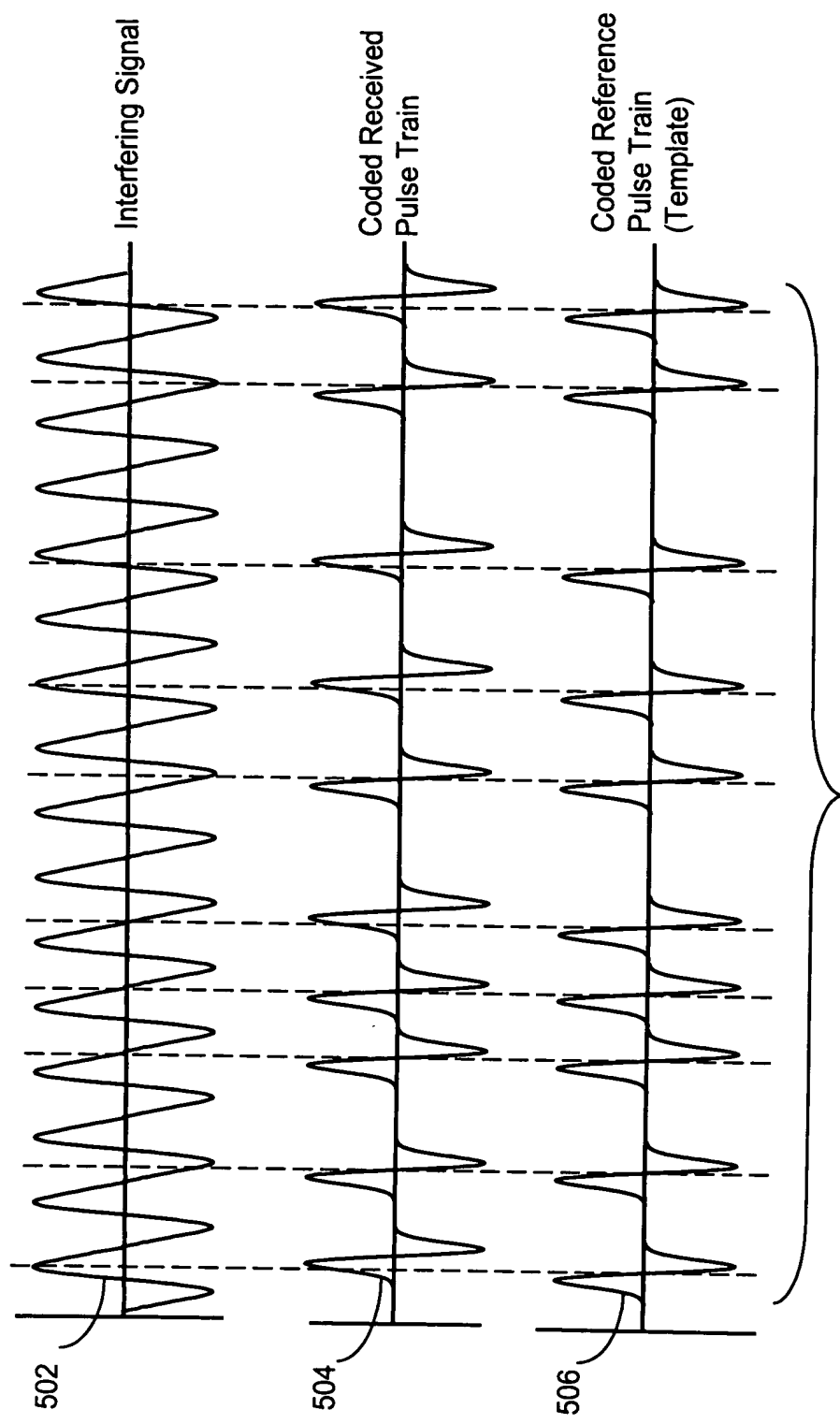


FIG. 5A



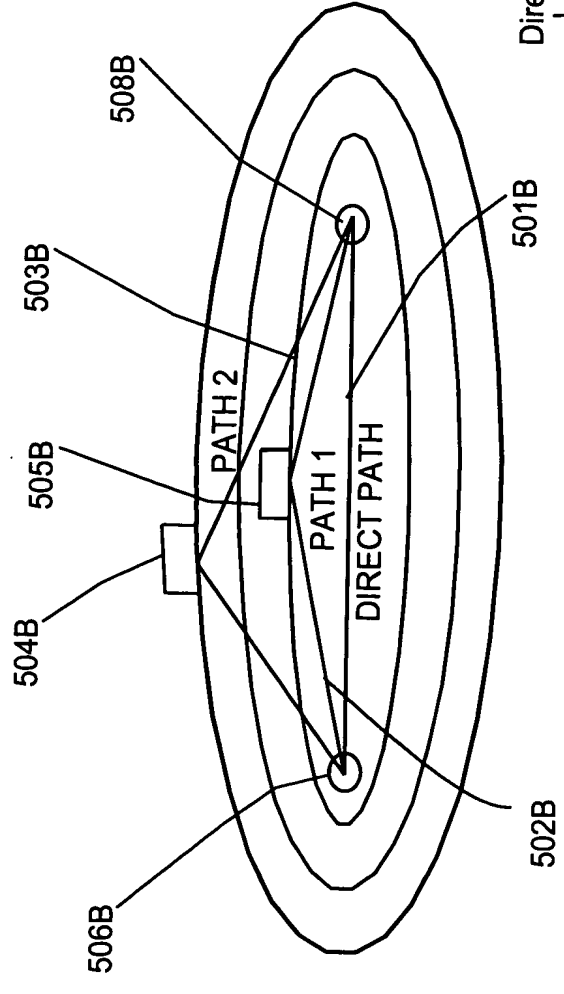
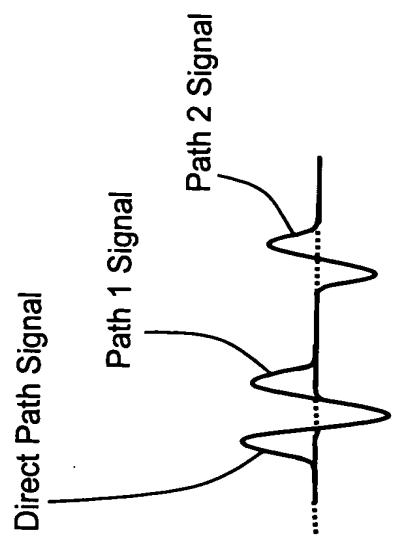
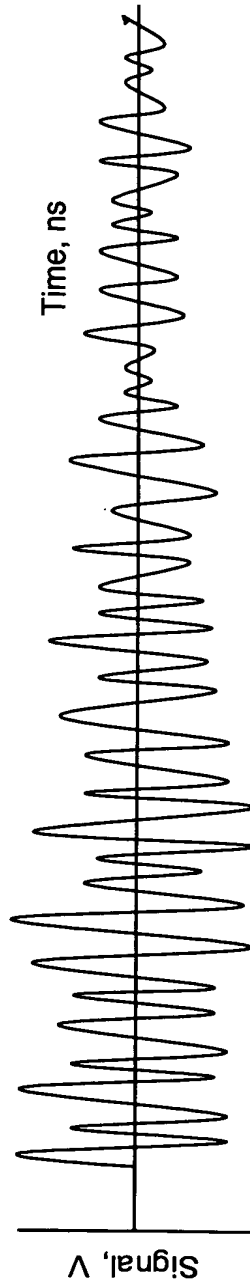
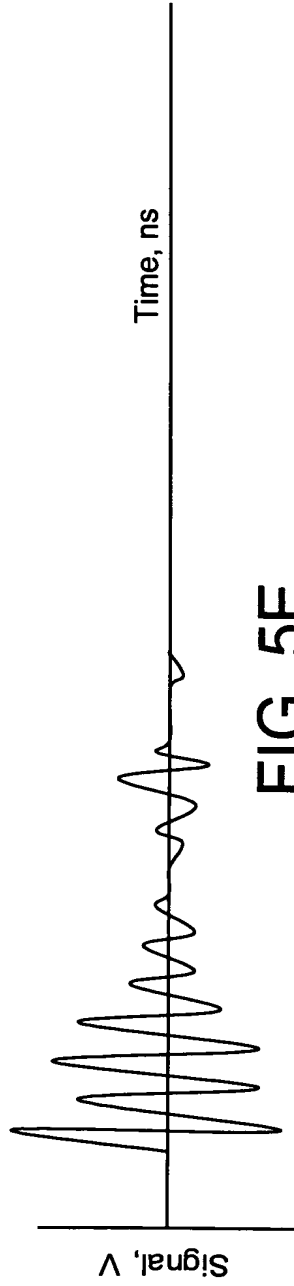
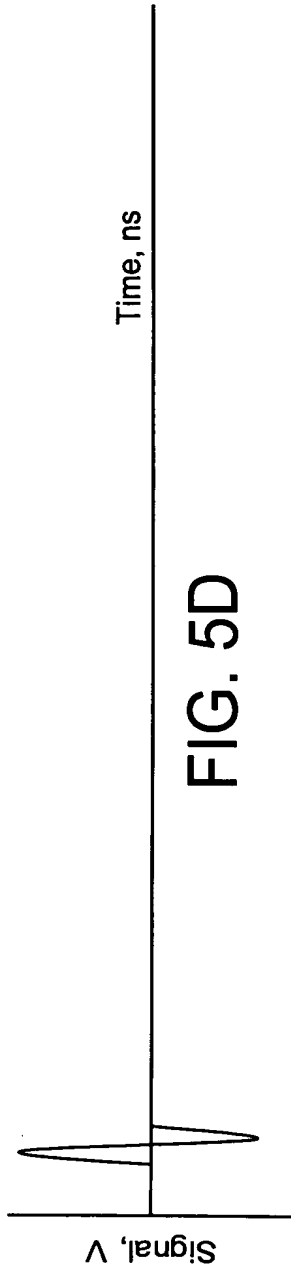


FIG. 5B



Constructive Non-Interfering

FIG. 5C



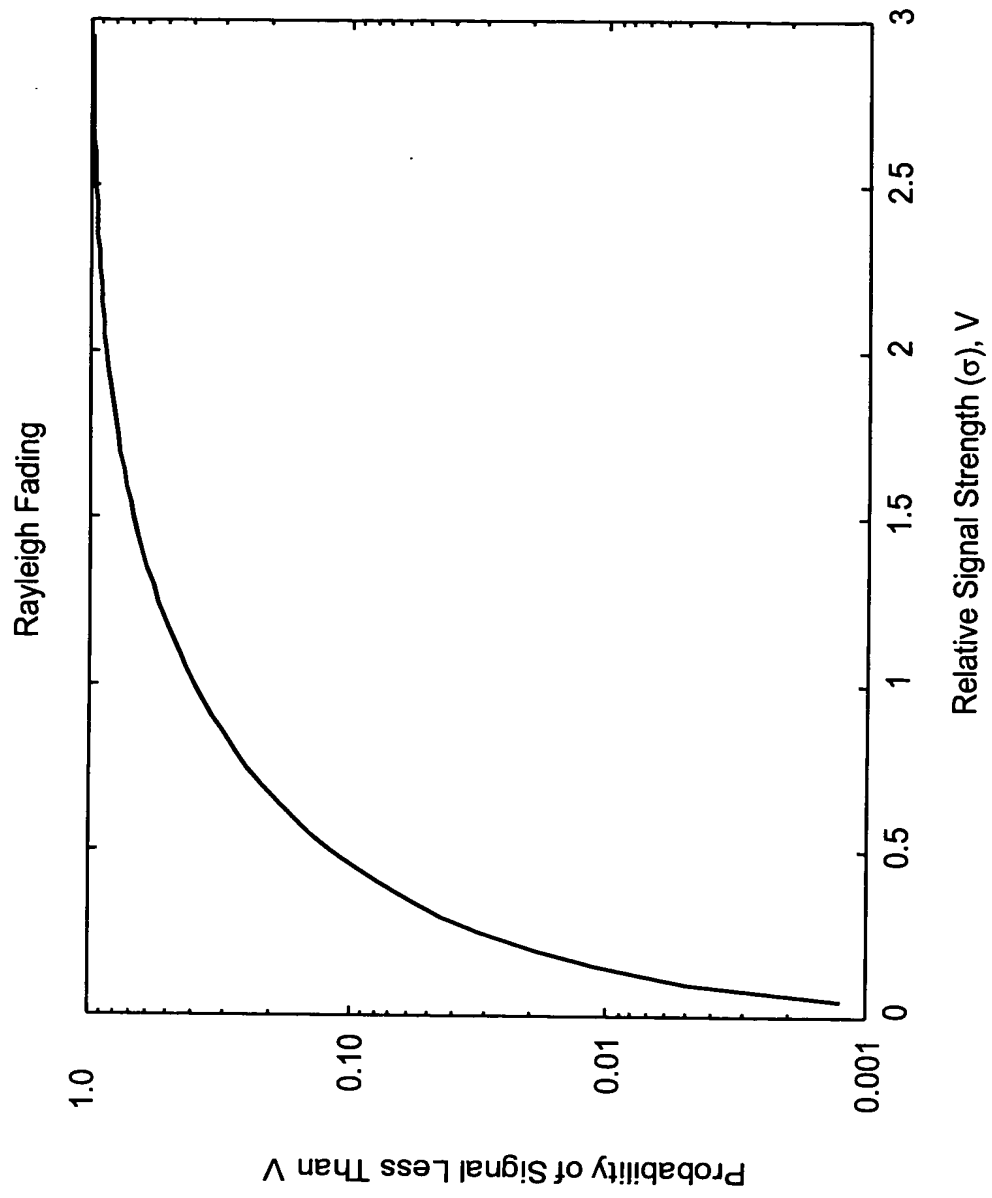


Fig. 5G

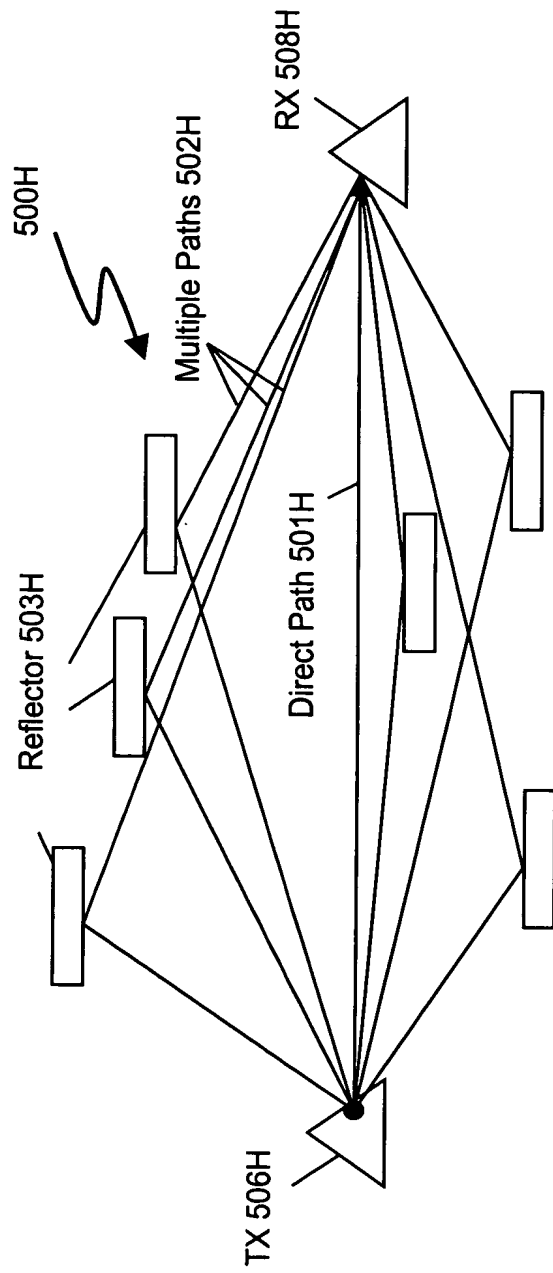


FIG. 5H

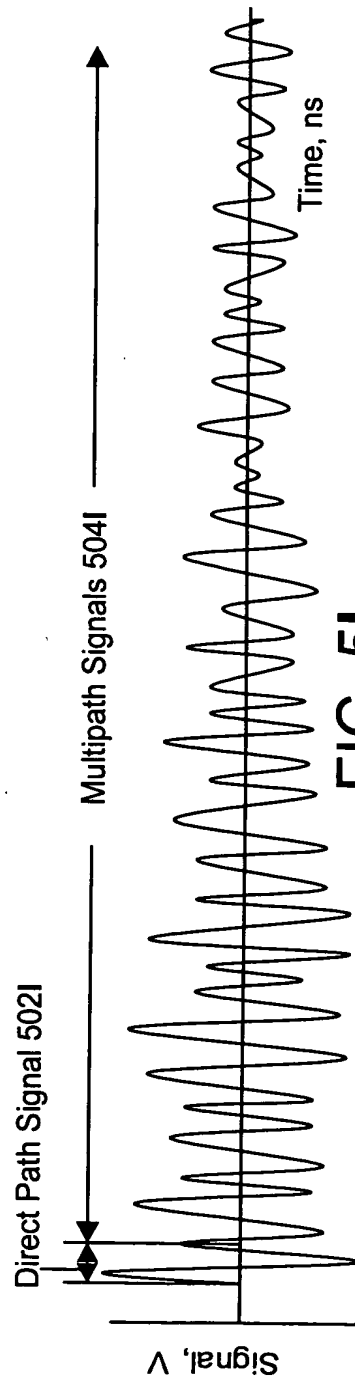
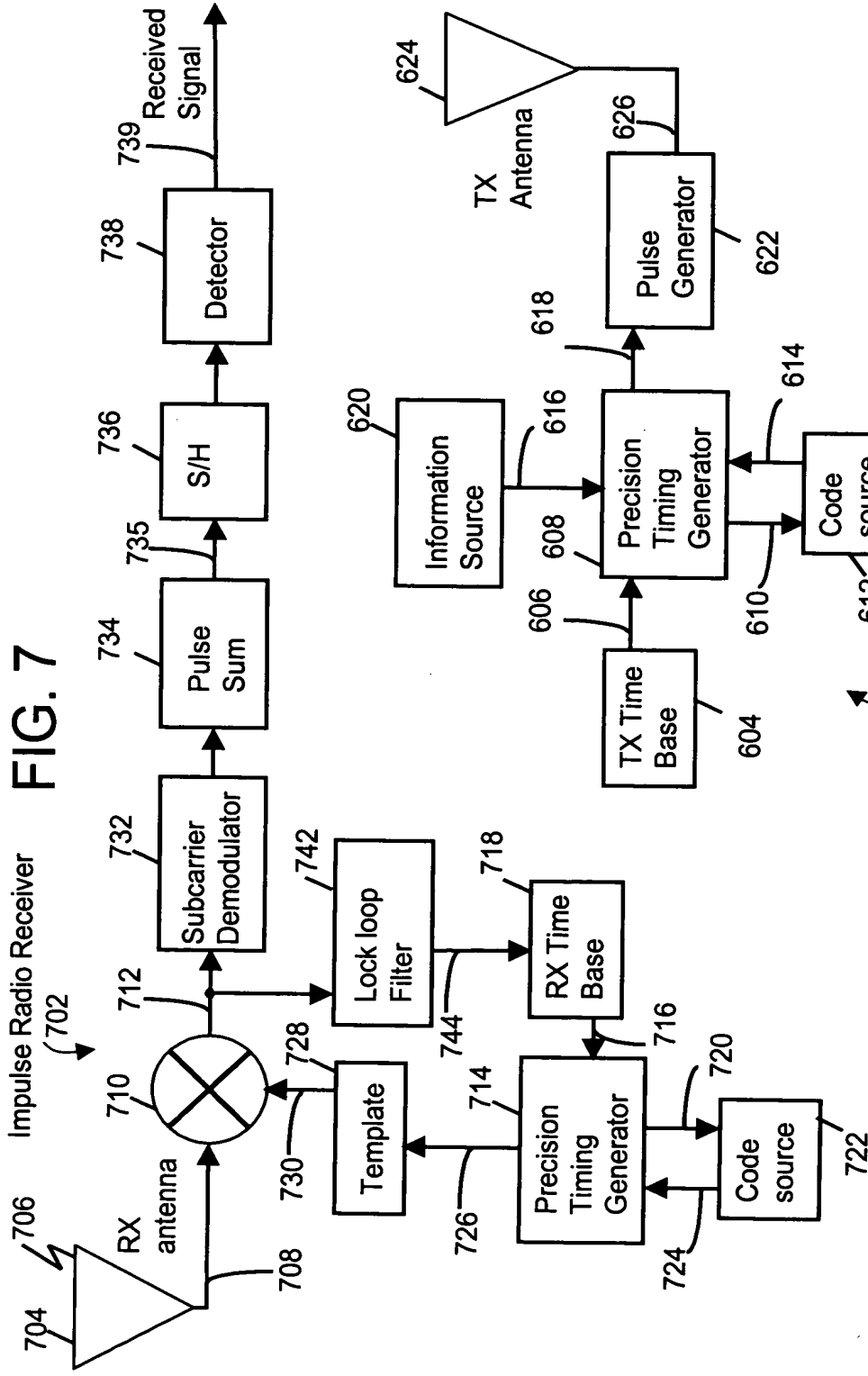


FIG. 5I



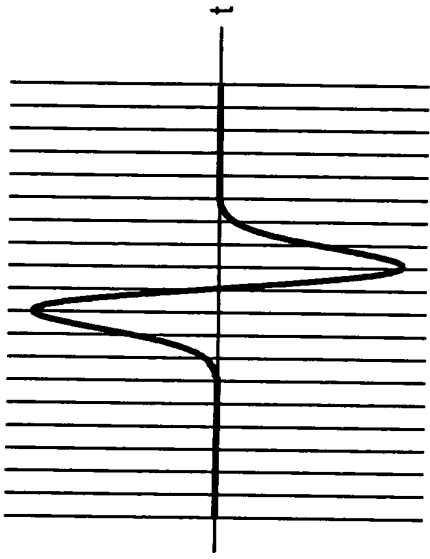


FIG. 8A

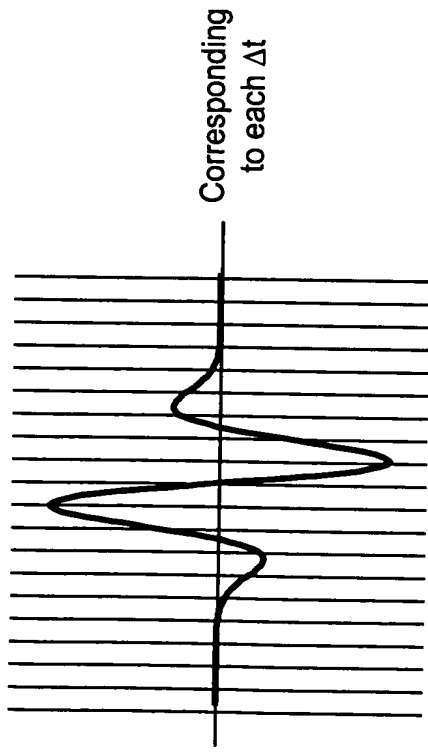


FIG. 8C

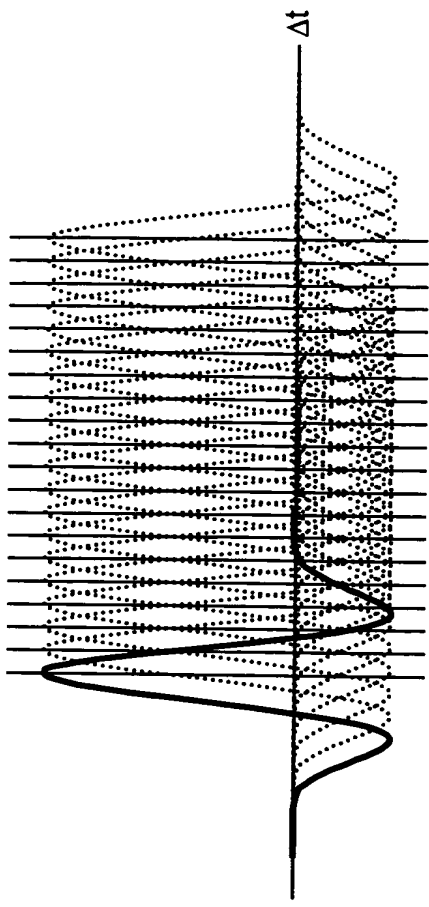


FIG. 8B

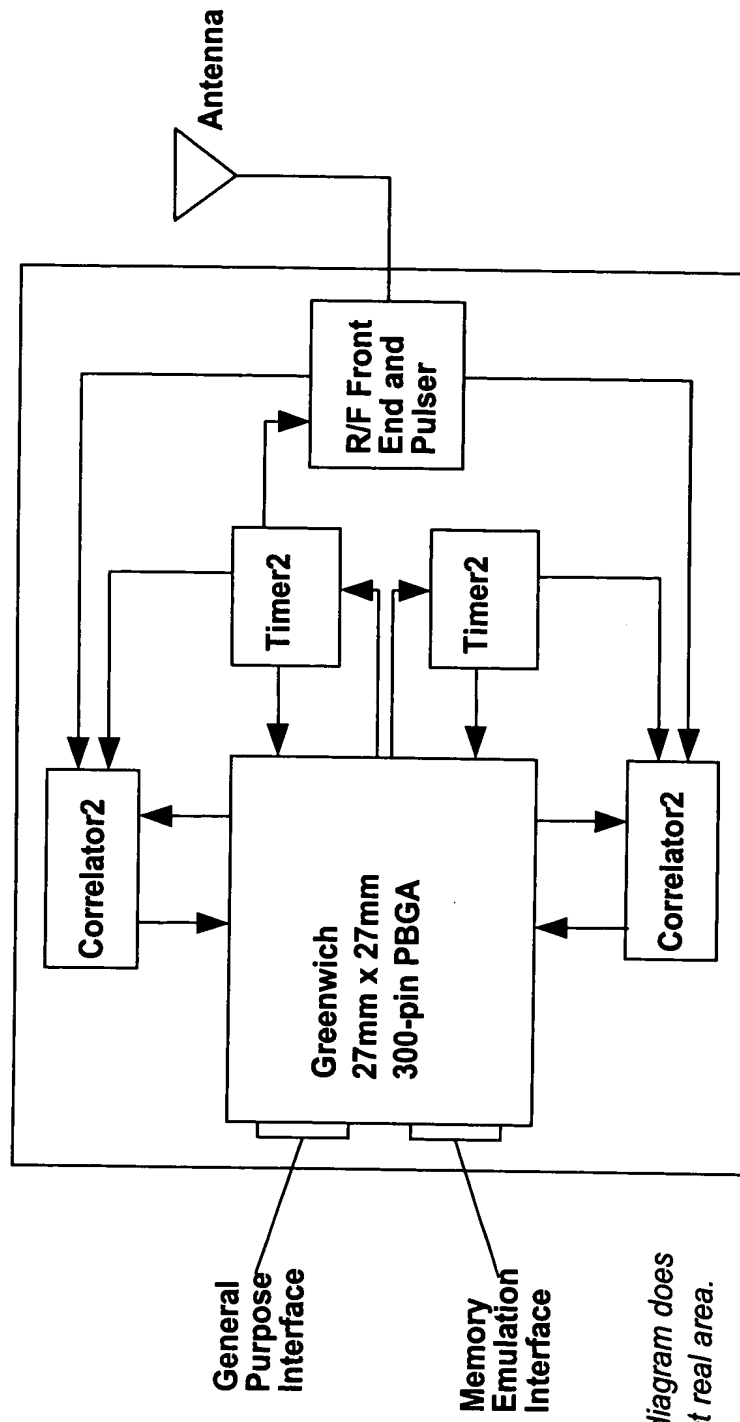
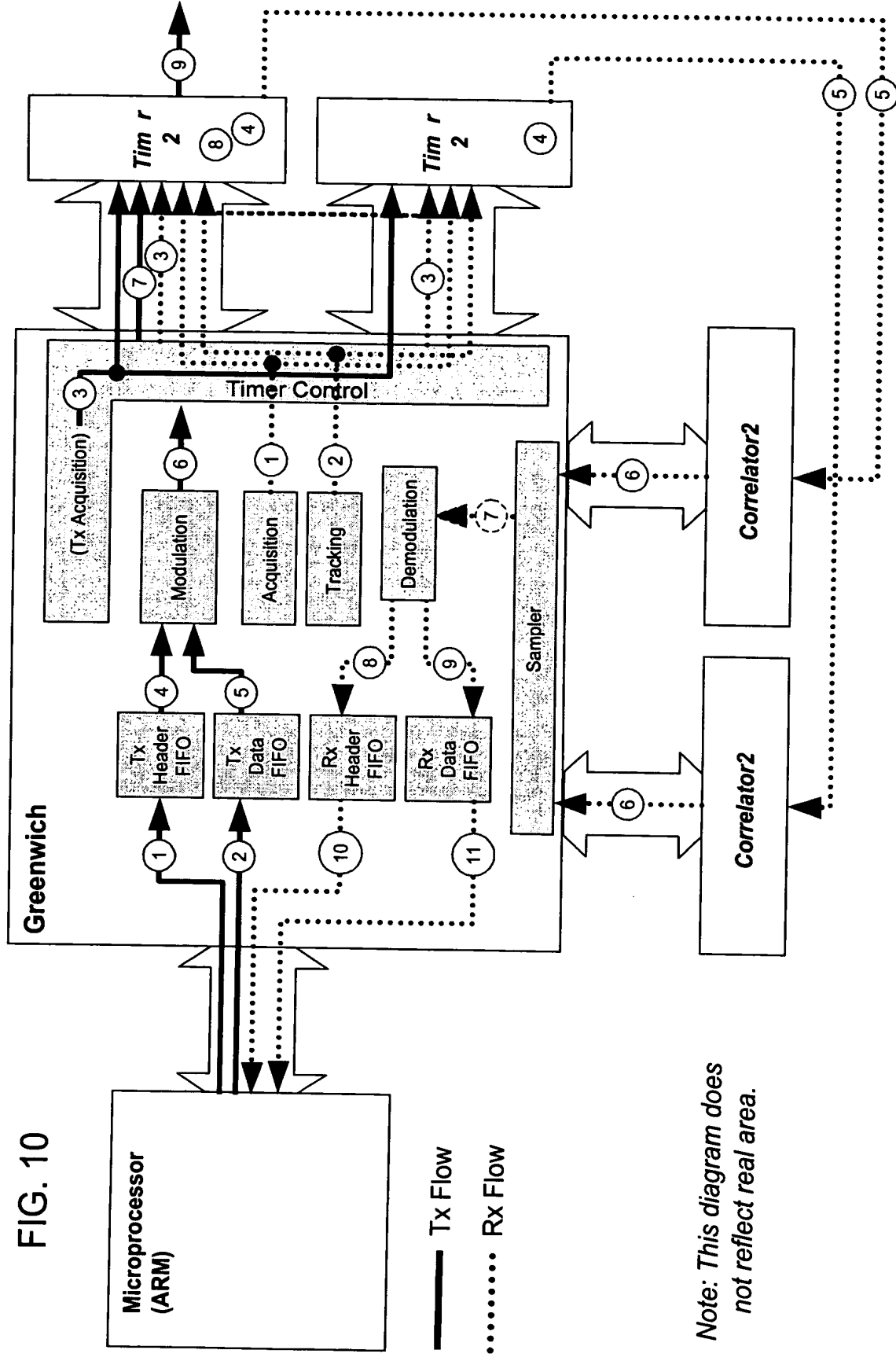


FIG. 9

FIG. 10





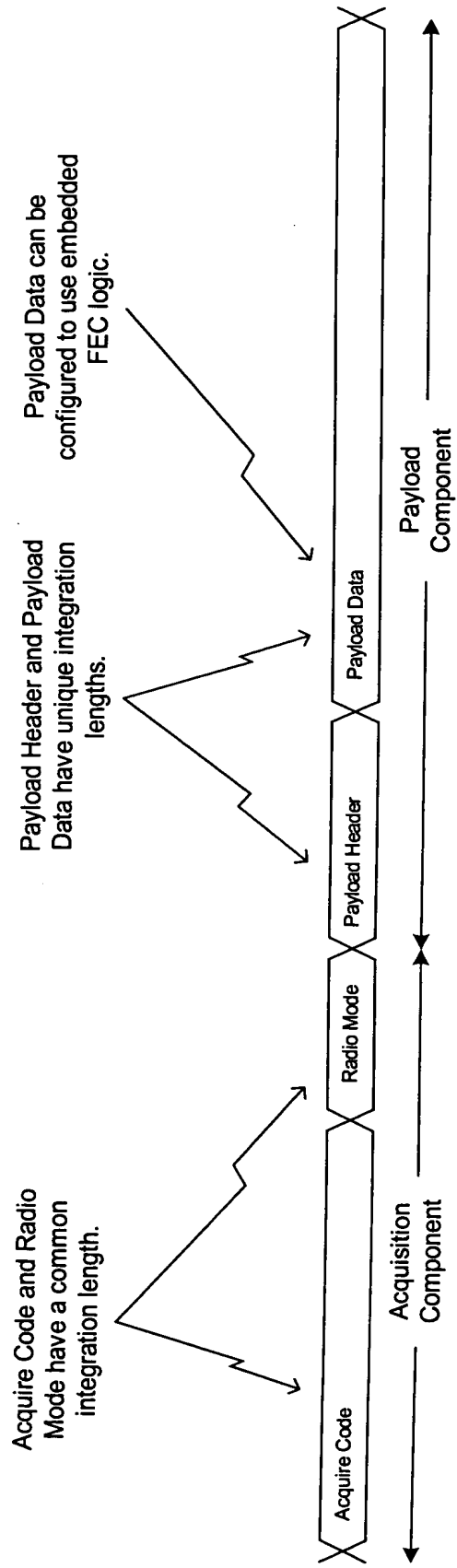


FIG. 11

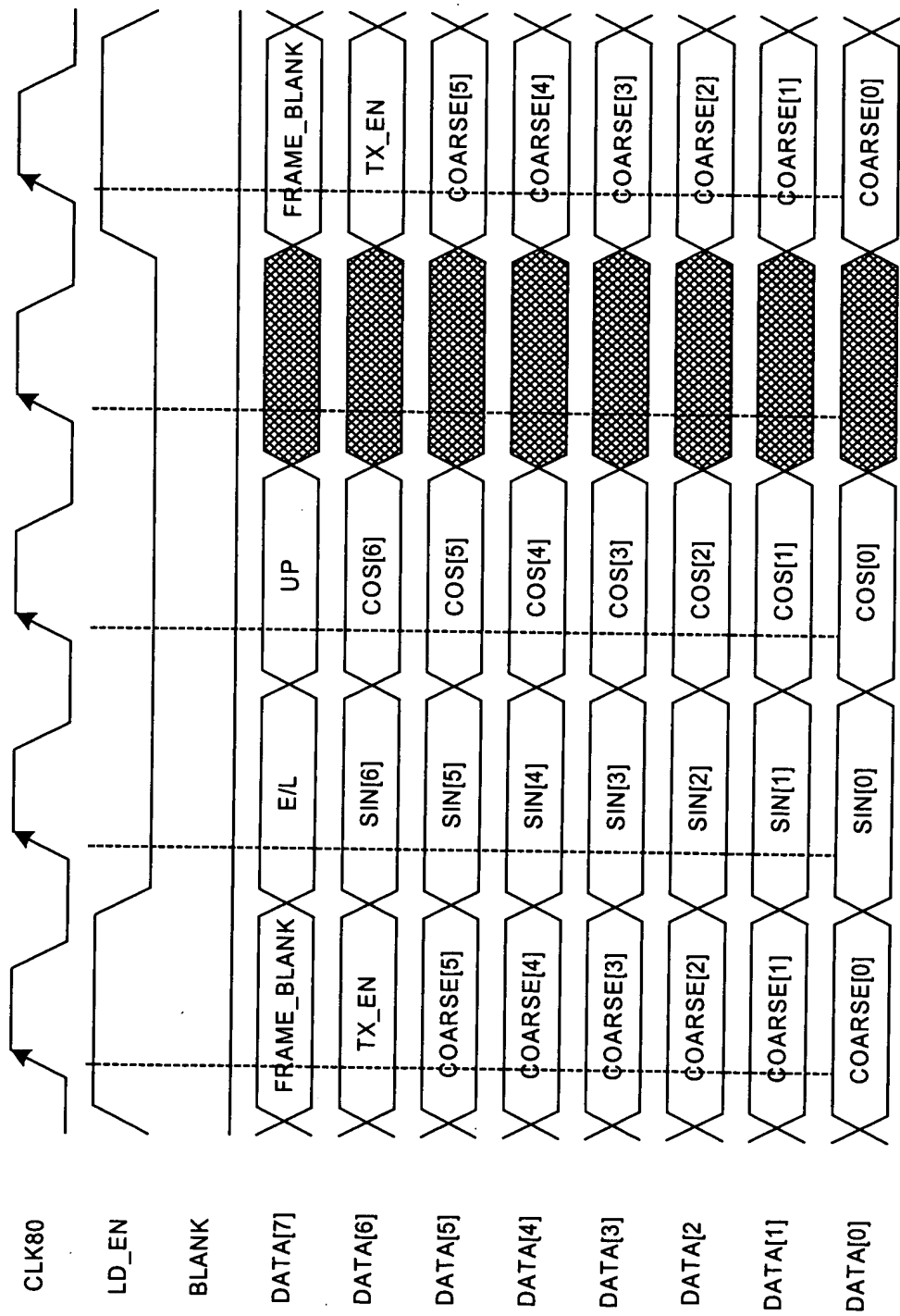


FIG. 12

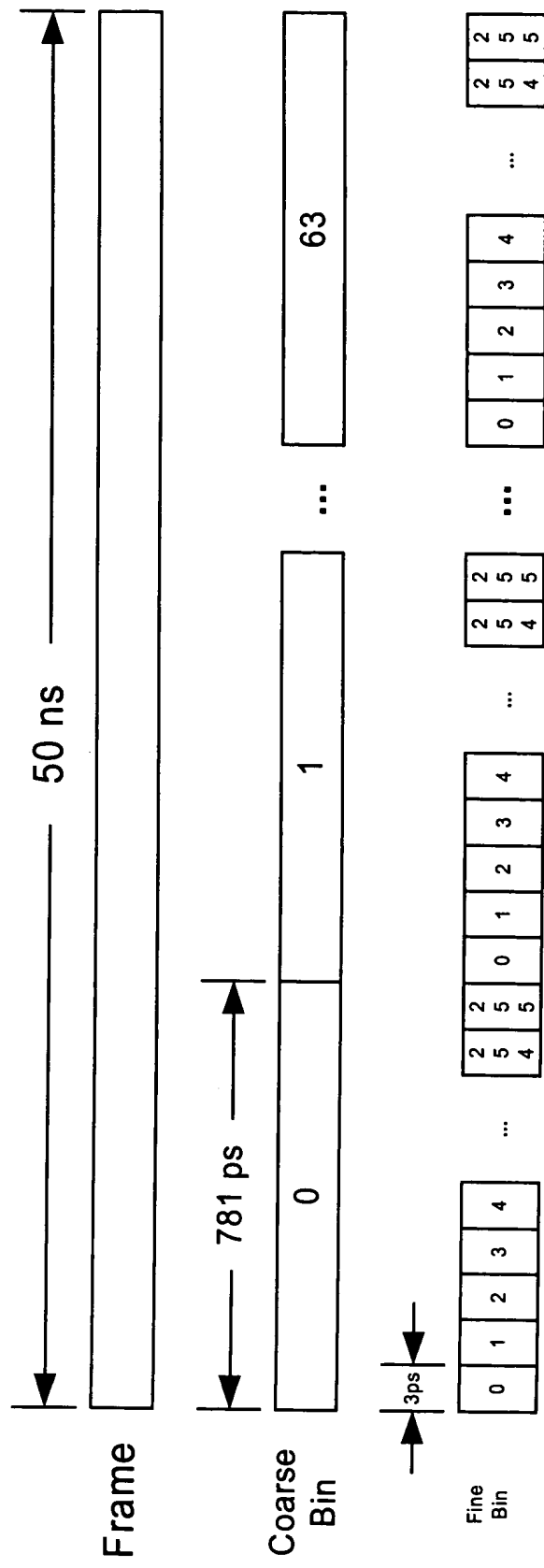
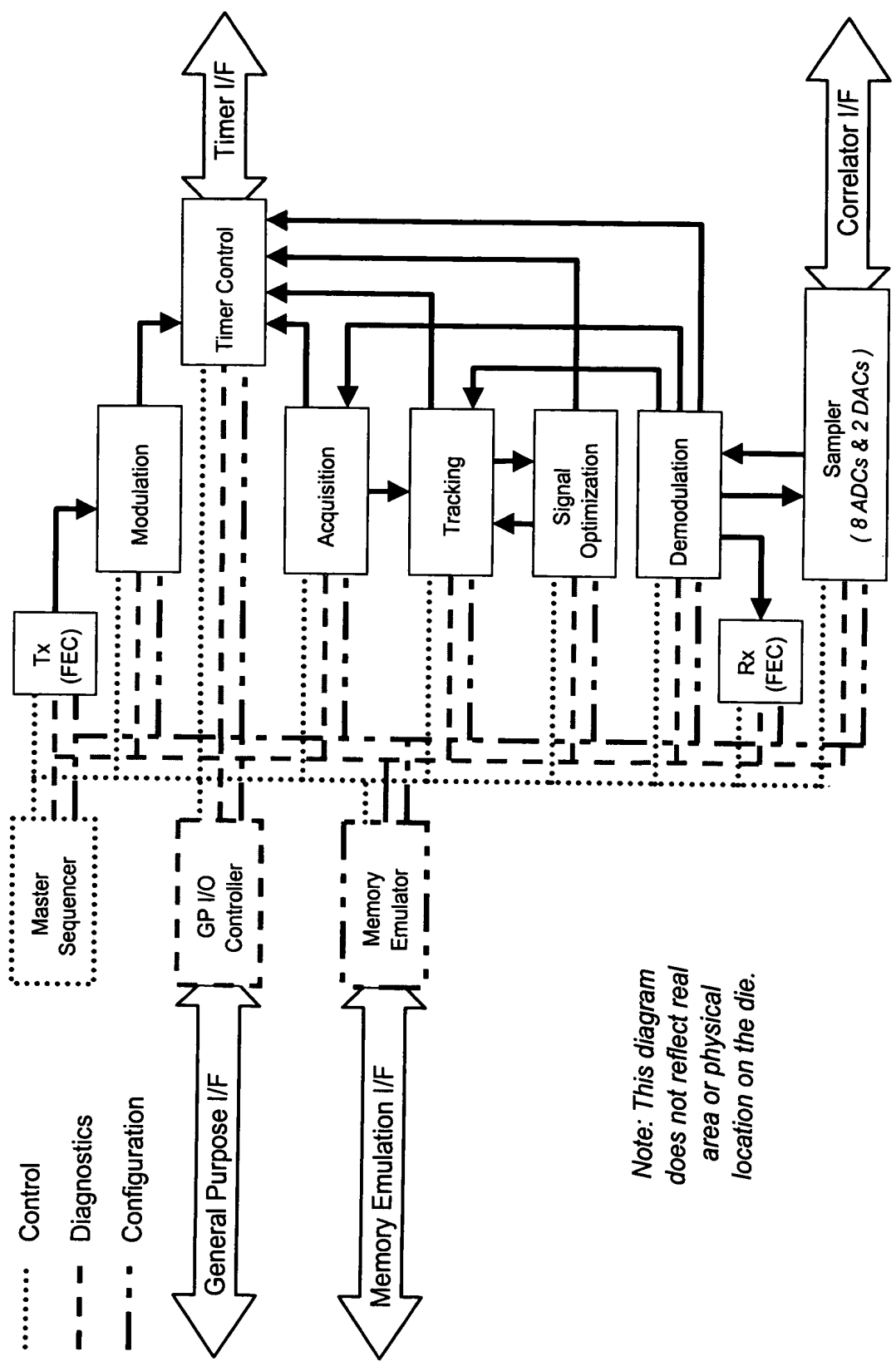


FIG. 13



*Note: This diagram does not reflect real area or physical location on the die.*

FIG. 14

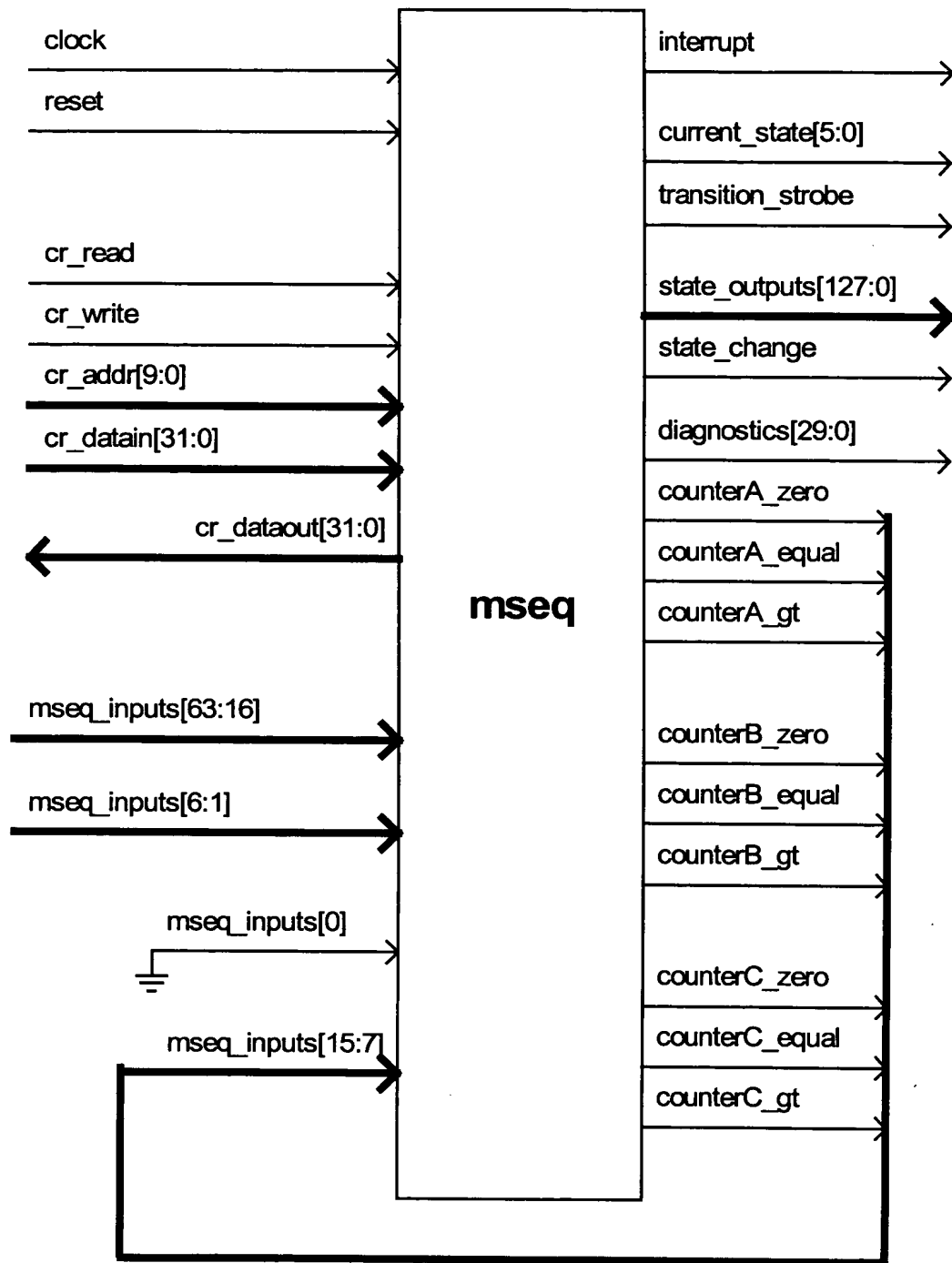


FIG. 15

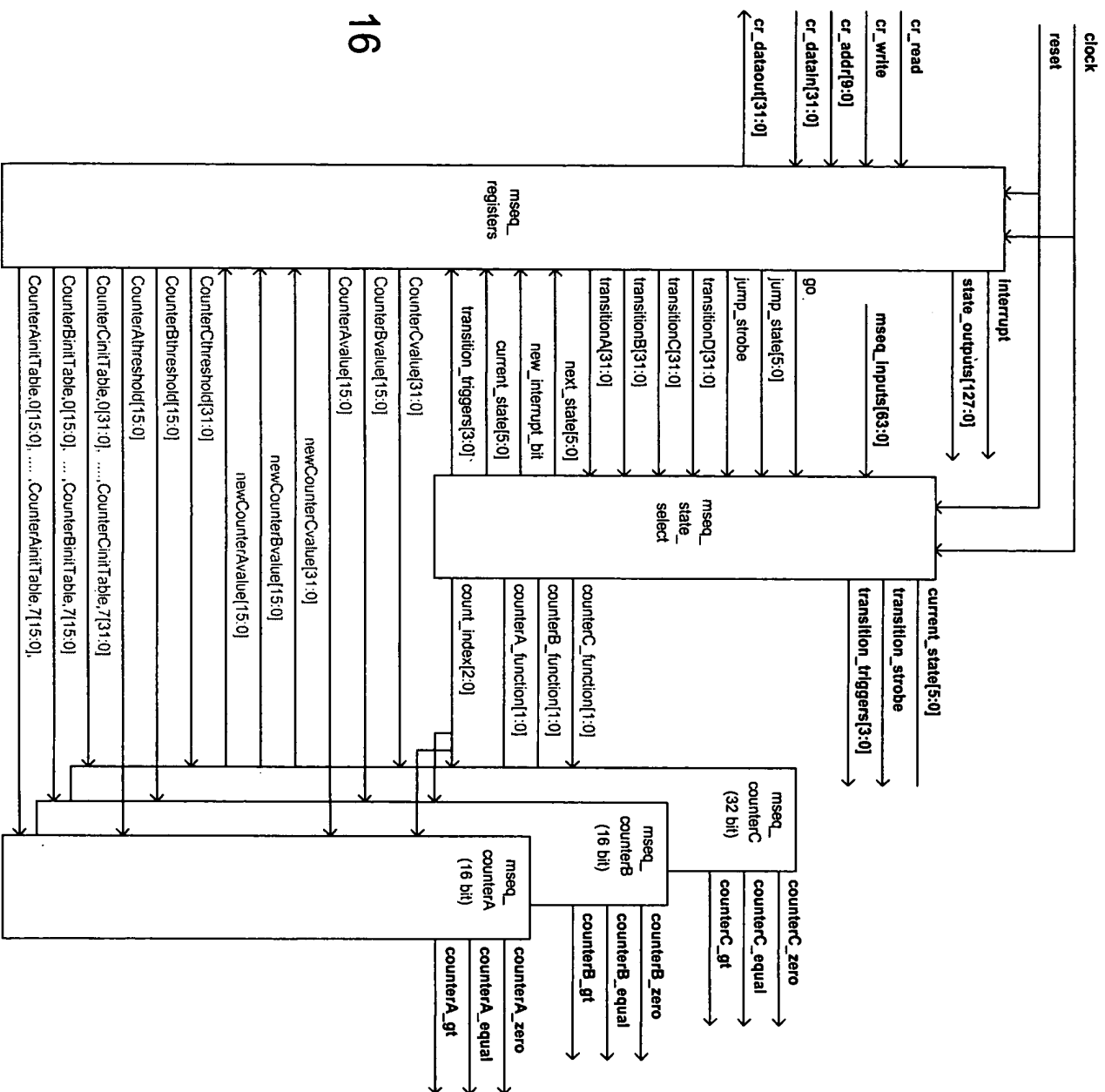
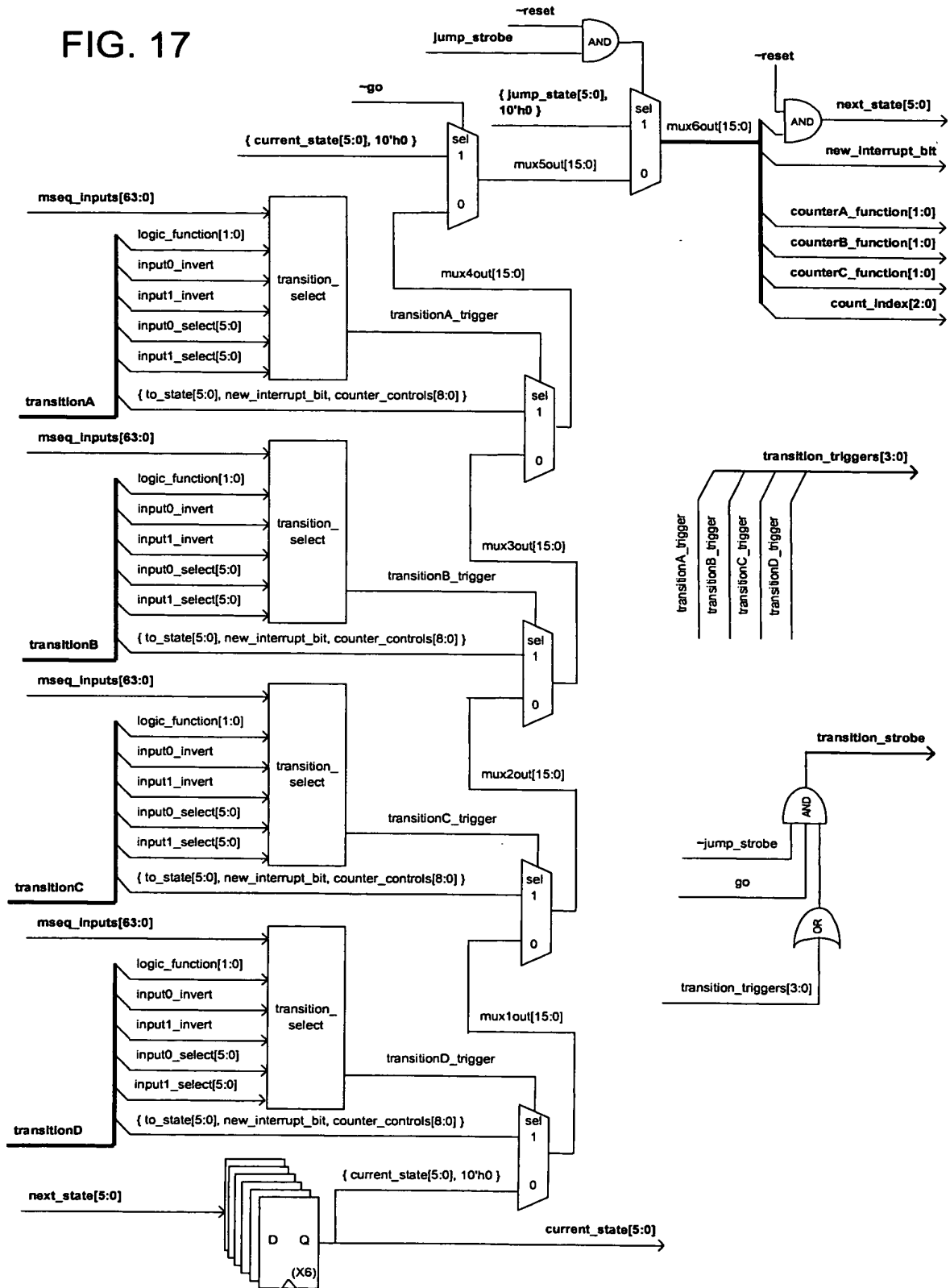


FIG. 16

FIG. 17



# transition select diagram

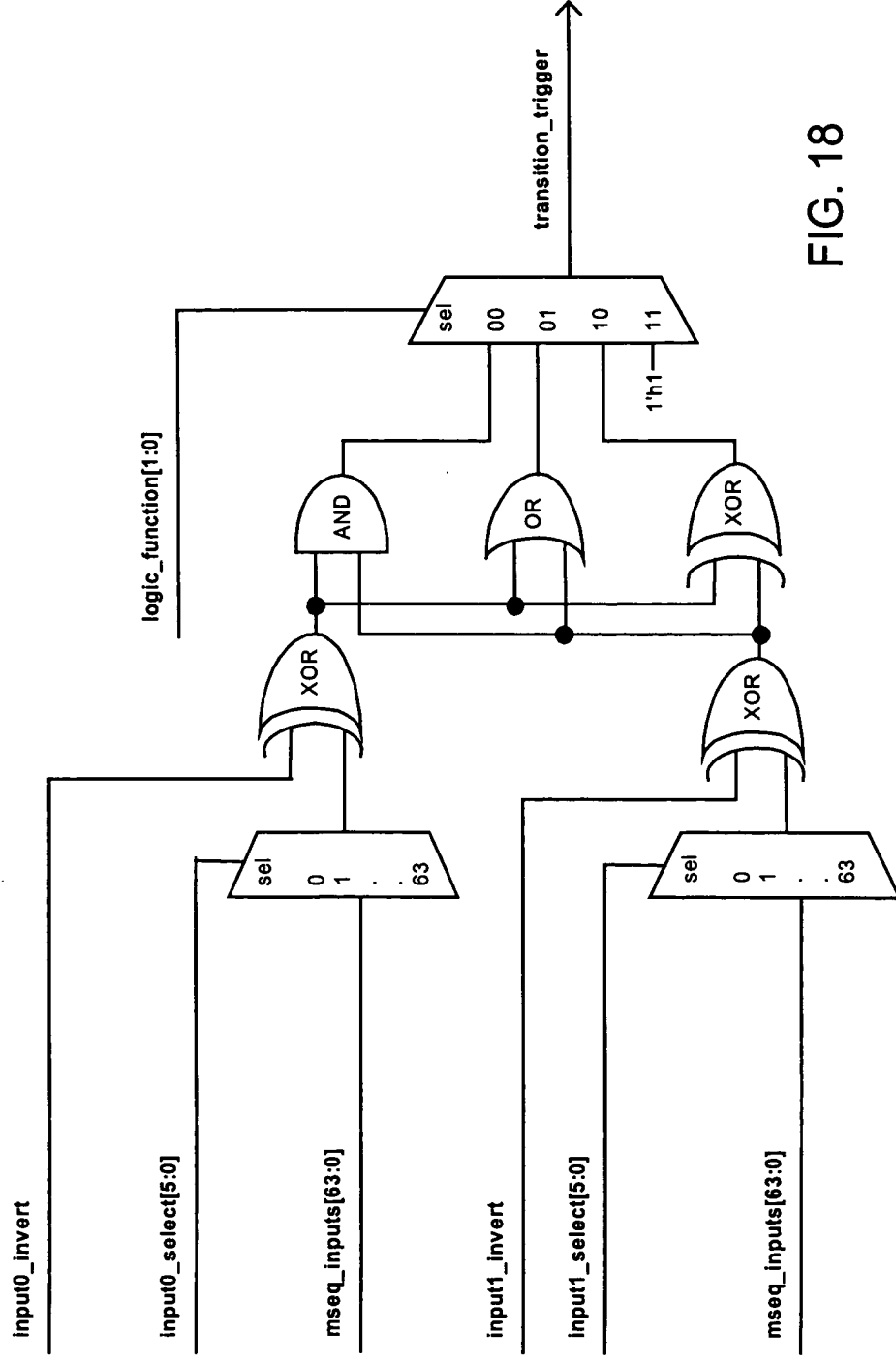


FIG. 18



**mseq\_counters**  
 counters A, B WIDTH = 16,  
 counter C WIDTH = 32

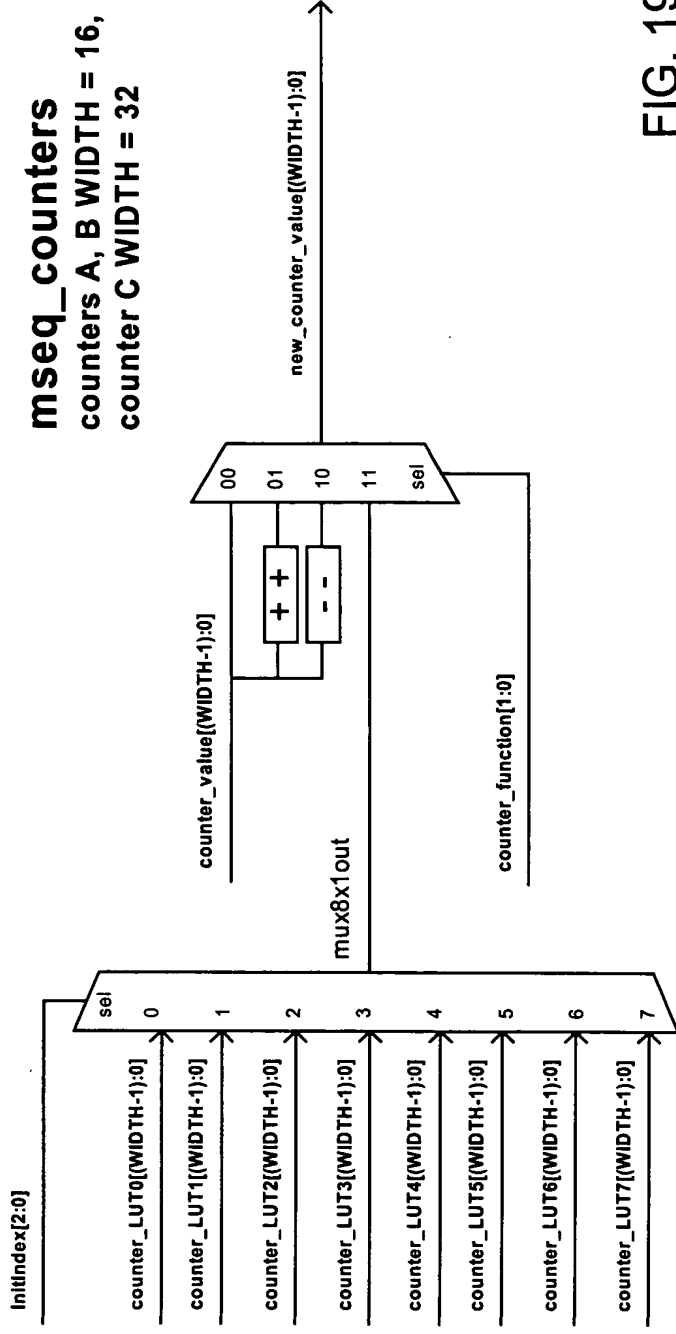
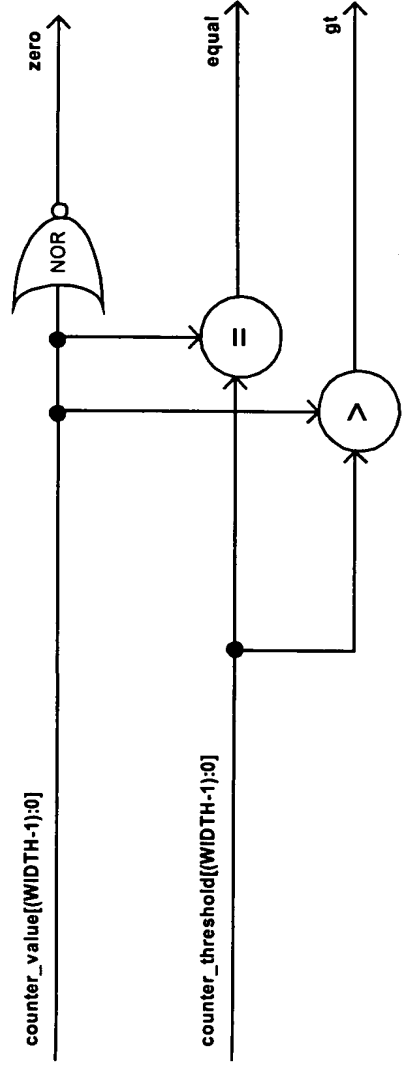


FIG. 19



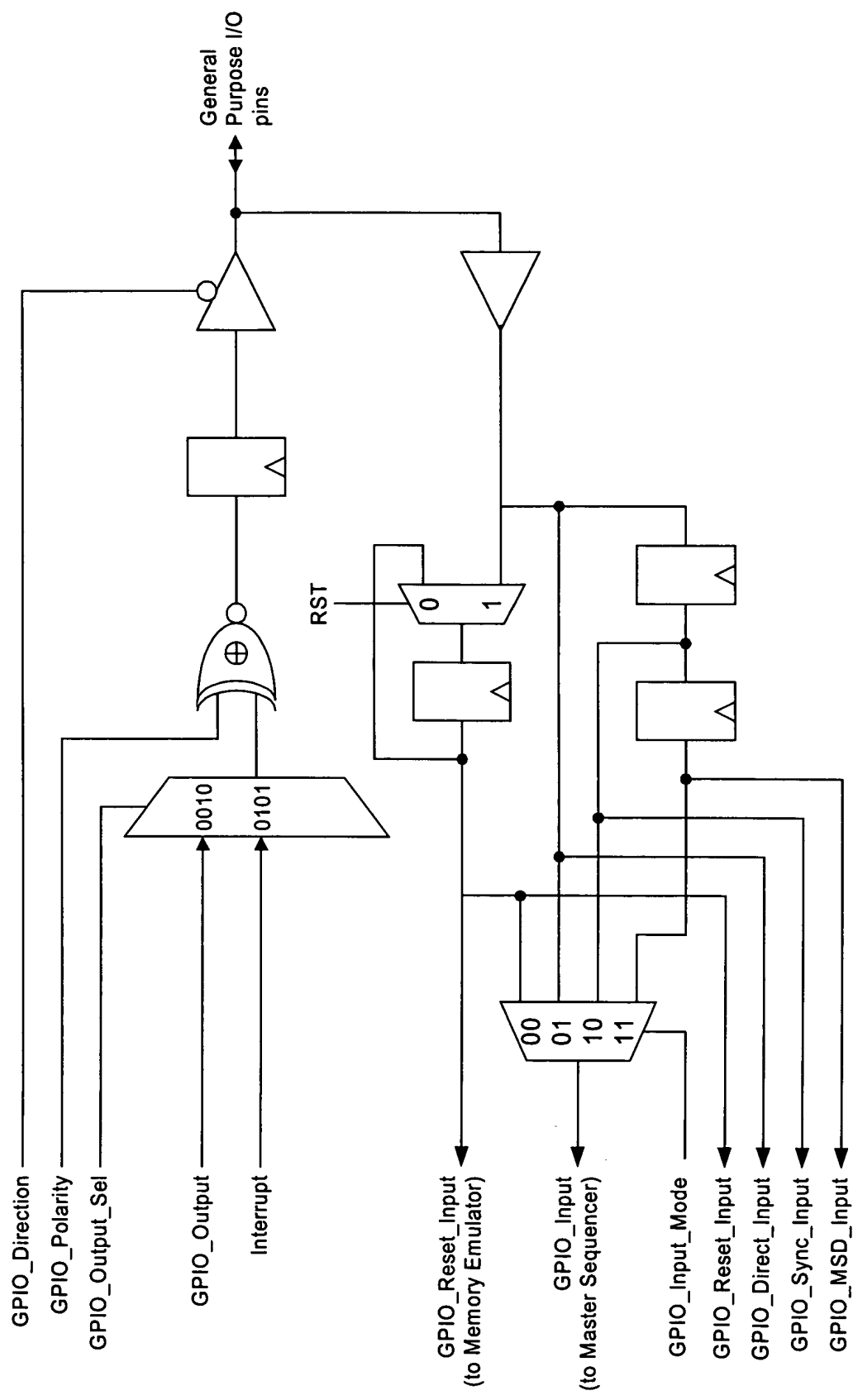


FIG. 20

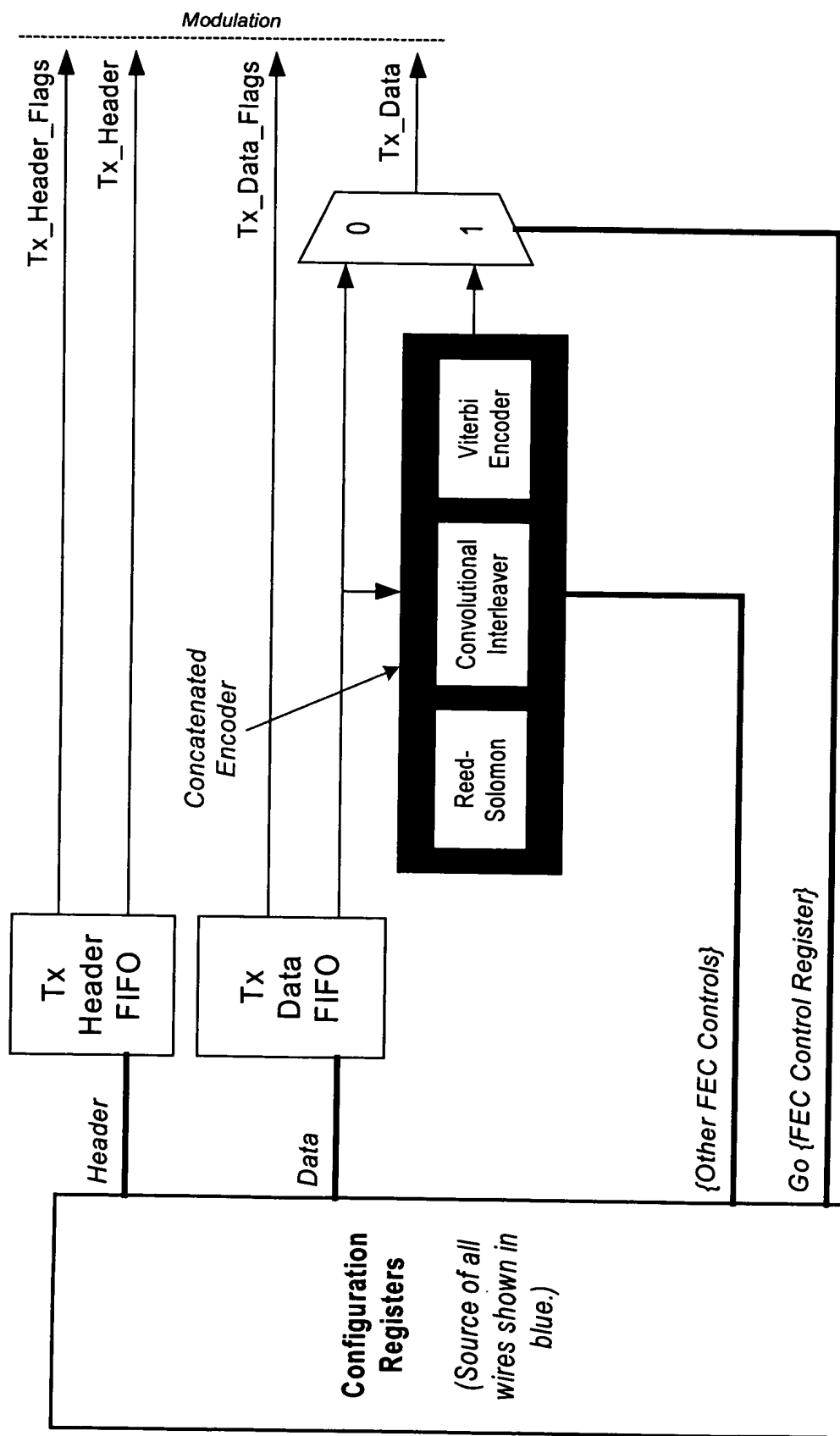
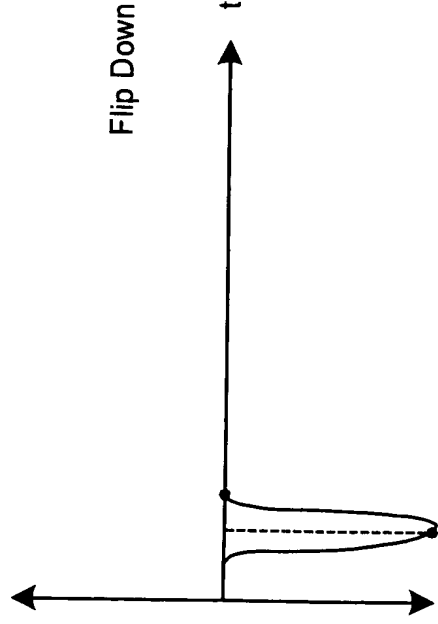


FIG. 21

Data = 1'b0

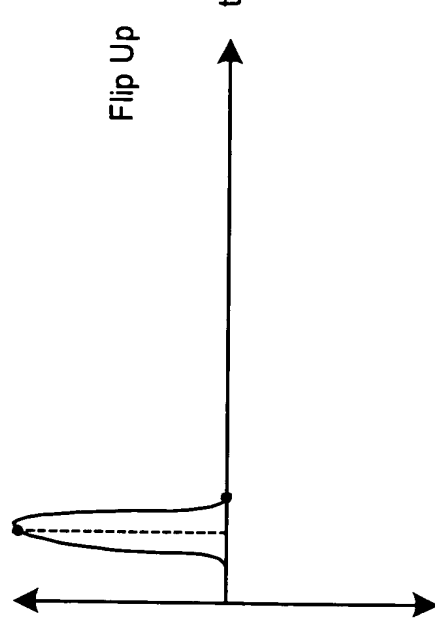
Amplitude



Flip Down

Data = 1'b1

Amplitude



Flip Up

FIG. 22

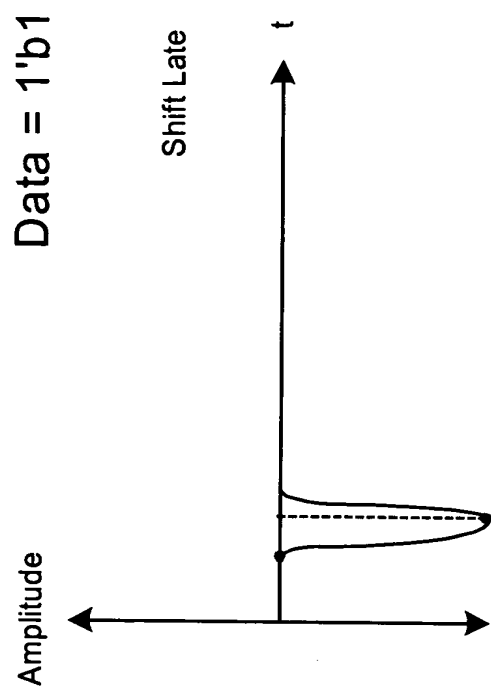
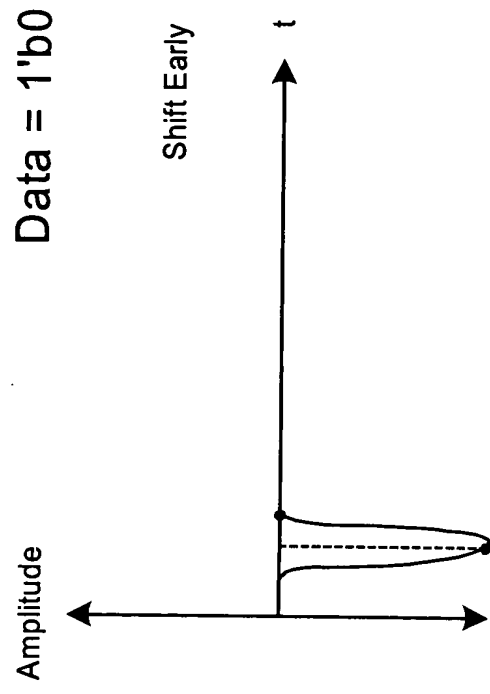


FIG. 23

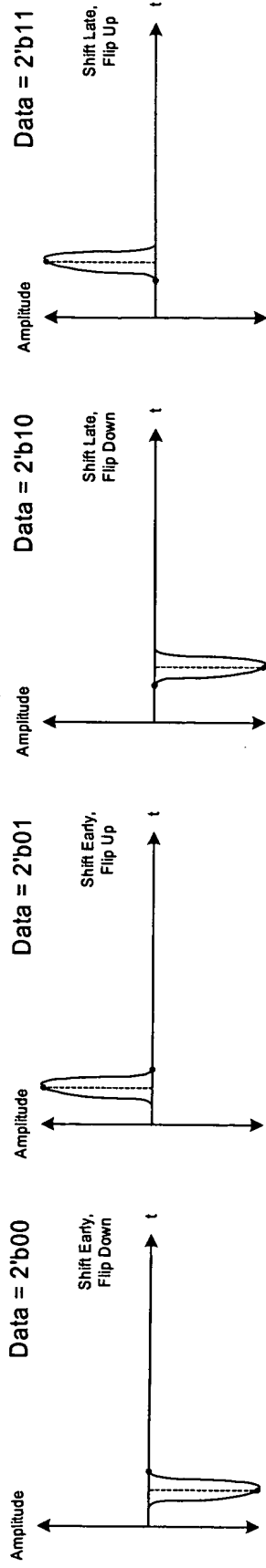


FIG. 24

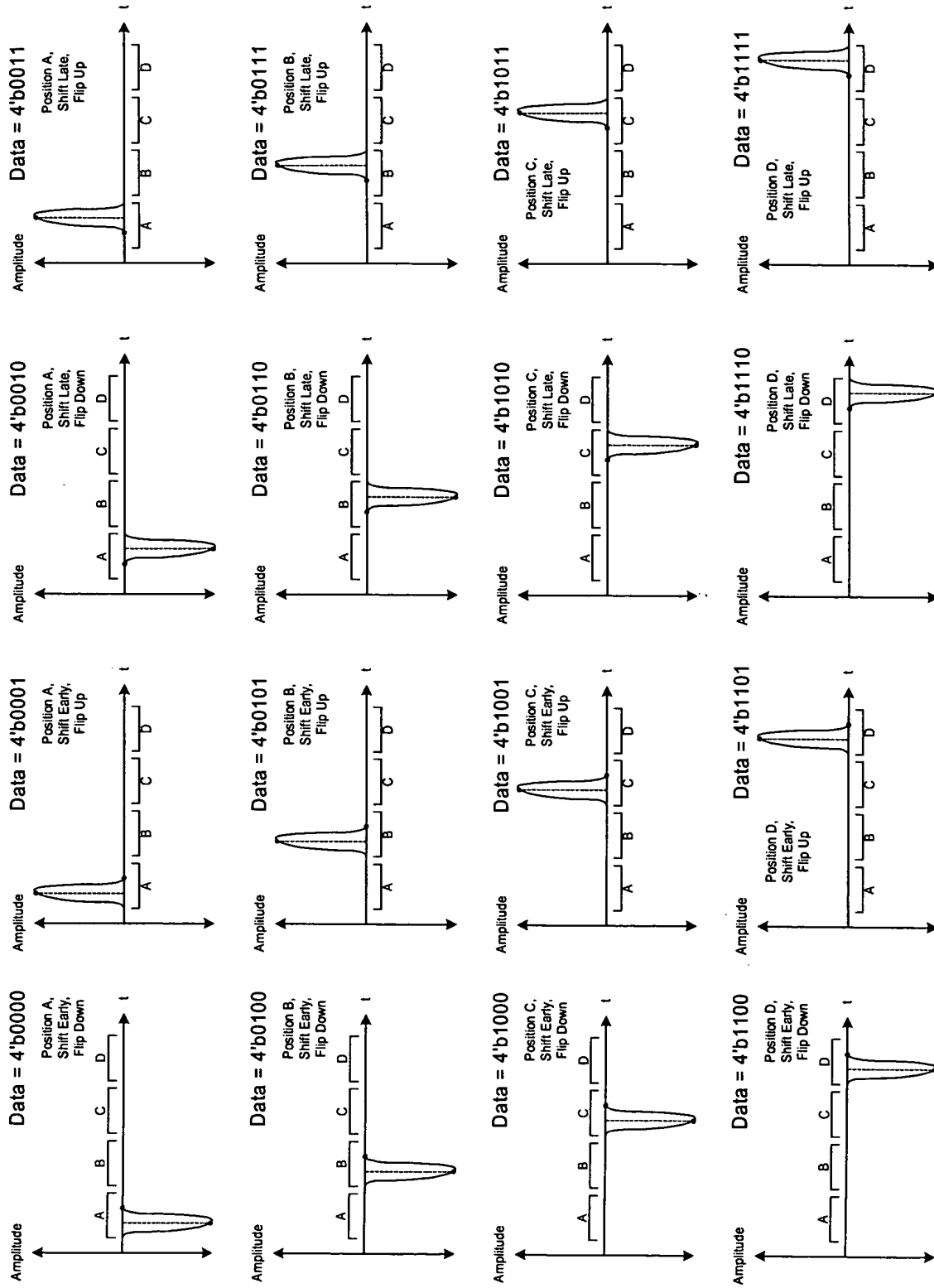


FIG. 25

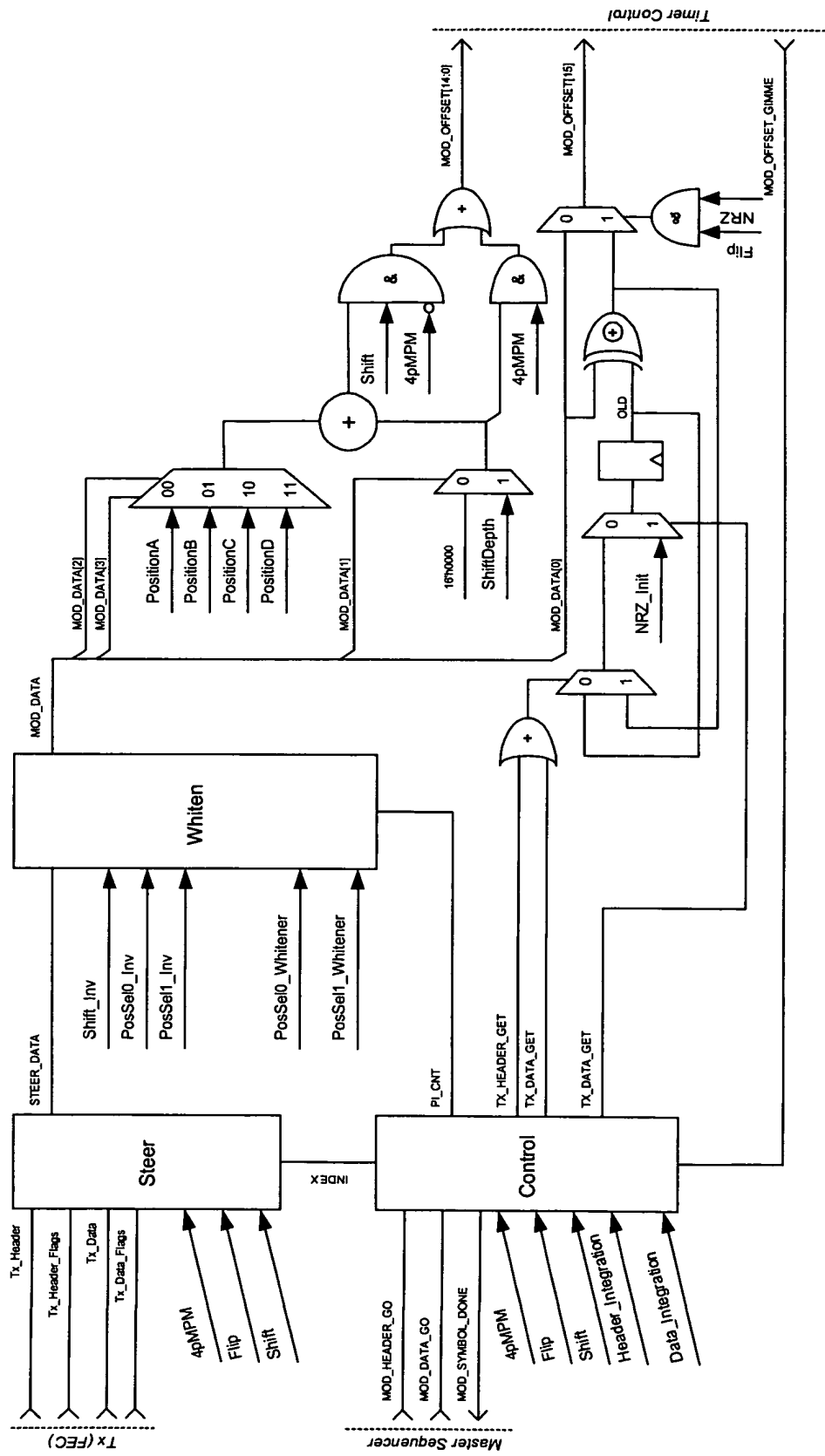


FIG. 26



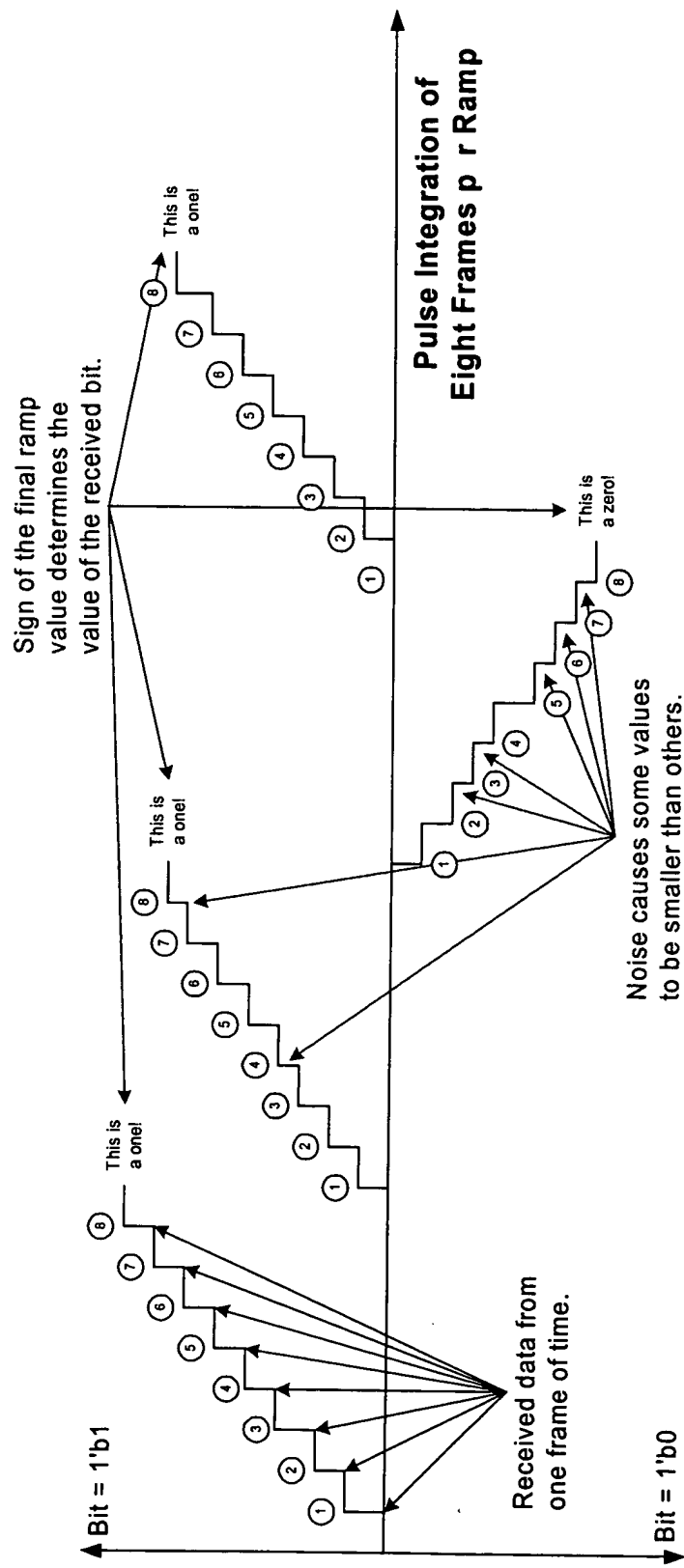


FIG. 27